

## Appendix VI



**Recommended Technologies to Achieve Deactivation of  
Characteristics in Section 66268.42**

The treatment standard for many characteristic wastes is stated in the section 66268.40 Table of Treatment Standards as "Deactivation and meet UTS." USEPA as determined that many technologies, when used alone or in combination, can achieve the deactivation portion of the treatment standard. Characteristic wastes that are not managed in a facility regulated by the federal Clean Water Act (CWA) or in a federal CWA-equivalent facility, and that also contain underlying hazardous constituents (see section 66260.10 shall be treated not only by a "deactivating" technology to remove the characteristic, but also to achieve the universal treatment standards (UTS) for underlying hazardous constituents. The following appendix presents a partial list of technologies, utilizing the five letter technology codes established in section 66268.42 Table 1, that may be useful in meeting the treatment standard. Use of these specific technologies is not mandatory and does not preclude direct reuse, recovery, and/or the use of other pretreatment technologies, provided deactivation is achieved and underlying hazardous constituents are treated to achieve the UTS.

| Waste Code/Subcategory   | Nonwastewaters  | Wastewaters                               |
|--|---|---|
| D001 Ignitable Liquids based on 66261.21(a)(1) - Low TOC Nonwastewater Subcategory (containing 1% to <10% TOC) | RORGS<br>INCIN<br>WETOX<br>CHOXD<br>BIODG                                 | n.a.                                      |
| D001 Ignitable Liquids based on 66261.21(a)(1) - Ignitable Wastewater Subcategory                              | n.a.  | RORGS<br>INCIN<br>WETOX<br>CHOXD<br>BIODG |
| D001 Compressed Gases based on 66261.21(a)(3)  | RCGAS<br>INCIN<br>FSUBS<br>ADGAS fb. INCIN<br>ASGAS fb. (CHOXD; or CHRED) | n.a.                                      |
| D001 Ignitable Reactives based on 66261.21 (a)(2)  | WTRRX<br>CHOXD<br>CHRED<br>STABL<br>INCIN                                 | n.a.                                      |
| D001 Ignitable Oxidizers based on 66261.21(a)(4)   | CHRED<br>INCIN  | CHRED<br>INCIN                            |
| D002 Acid Subcategory based on 66261.22(a) (1) with pH less than or equal to 2                                 | RCORR<br>NEUTR<br>INCIN   | NEUTR<br>INCIN                            |
| D002 Alaline Subcategory based on 66261.22(a)(1) with pH grater than or equal to 12.5                          | NEUTR<br>INCIN  | NEUTR<br>INCIN                            |
| D002 Other Corrosives based on 66261.22(A)(2)  | CHOXD<br>CHRED<br>INCIN<br>STABL  | CHOXD<br>CHREED<br>INCIN                  |
| D003 Water Reactives based on 66261.23(a)(2),  | INCIN<br>WTRRX  | n.a.                                      |

| Waste Code/Subcategory  | Nonwastewaters                   | Wastewaters                               |
|---|----------------------------------|---|
| (3), and (4)  | CHOXD<br>CHRED                   |   |
| D003 Reactive Sulfides based on 66261.23(a)(5)  | CHOXD<br>CHRED<br>INCIN<br>STABL | CHOXD<br>CHRED<br>BIODG<br>INCIN          |
| D003 Explosives based on 66261.23(a)(6), (7), and (8)                                 | INCIN<br>CHOXD<br>CHRED          | INCIN<br>CHOXD<br>CHRED<br>BIODG<br>CARBN |
| D003 Other Reactives based on 66261.23(a)(1)  | INCIN<br>CHOXD<br>CHRED          | INCIN<br>CHOXD<br>CHRED<br>BIODG<br>CARBN |
| K044 Wastewater treatment sludges from the manufacturing and processing of explosives | CHOXD<br>CHRED<br>INCIN          | CHOXD<br>CHRED<br>BIODG<br>CARBN<br>INCIN |
| K045 Spent carbon from the treatment of wastewaters containing explosives             | CHOXD<br>CHRED<br>INCIN          | CHOXD<br>CHRED<br>BIODG<br>CARBN<br>INCIN |
| K047 Pink/red water from TNT operations   | CHOXD<br>CHRED<br>INCIN          | CHOXD<br>CHRED<br>BIODG<br>CARBN<br>INCIN |

NOTE: "n.a." stands for "not applicable"; "fb." stands for "followed by".

NOTE: Authority cited: Sections 208, 25150, 25159 and 25179.6, Health and Safety Code. Reference: Sections 25150, 25159, 25159.5 and 25179.6, Health and Safety Code; 40 CFR Part 268 Appendix VI.